Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/03/2019 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124401	-1	1.13	124466	1.14
Blue	F	SSC	125000	123333	-2	1.55	124073	1.56
Blue	E	FITC	16122	15771	-3	2.64	343	20.16
Blue	D	PE	29316	28920	-2	1.79	630	14.54
Blue	B	PerCP-Cy5-5	42590	41759	-2	3.55	1133	19.72
Blue	A	PE-Cy7	33146	32650	-2	5.86	624	39.39
Red	C	APC	45473	44616	-2	2.37	1581	12.01
Red	A	APC-Cy7	31961	30963	-4	2.30	819	11.69
Violet	B	V450	7914	7388	-7	4.85	426	13.48
Violet	A	V500	29769	28367	-5	4.65	662	10.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21335	3.43	607	7	N/A	N/A	Pass
Blue	F	SSC	56151	1.08	551	13	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	2	0.0196	133	Pass
Blue	D	PE	132	48.86	541	4	0.1673	272	Pass
Blue	B	PerCP-Cy5-5	206	47.62	640	2	0.0095	26	Pass
Blue	A	PE-Cy7	117	98.84	693	2	0.0119	22	Pass
Red	C	APC	374	24.63	582	3	0.0244	97	Pass
Red	A	APC-Cy7	180	28.47	558	2	0.0059	1153	Pass
Violet	B	V450	72	52.80	464	4	0.0438	1666	Pass
Violet	A	V500	101	31.98	477	5	0.0209	469	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.21	-32.05	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	18.00	13.60 - 20.40	N/A	N/A	29.67	29.98	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9556

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments